

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-107996
(43)Date of publication of application : 19.04.1990

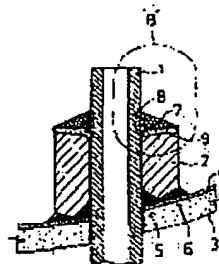
(51)Int.CI. G21C 13/00

(21)Application number : 63-259369 (71)Applicant : TOSHIBA CORP
(22)Date of filing : 17.10.1988 (72)Inventor : ASANO MASAYUKI

(54) WELDED STRUCTURE OF NUCLEAR REACTOR PRESSURE VESSEL AND CONTROL ROD HOUSING

(57)Abstract:

PURPOSE: To intend an improvement of a reliability for a stress corrosion cracking by pad-welding with a welding metal a whole upper end surface of a stub tube which is provided by welding to an inner surface of a bottom of a nuclear pressure vessel, to weld the tube to a control rod housing.



CONSTITUTION: A stub tube 2 is welded to a nuclear reactor pressure vessel 3 at its inner and outer circumferences with a welding metal 5 and 6. Also, a housing 1 of a control rod drive mechanism is welded to the stub tube 2 with a welding metal 7. This welding metal 7 is pad-welded so that a whole upper surface of the stub tube 2 is covered by the padding. With this process, a thermally affected part at a side of the stub tube 2 can be moved to a part where a tensile stress is the minimum, to lessen a probability of a stress corrosion cracking, and a highly reliable welded structure of the housing 1 and the stub tube 2 can be obtained.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

WELDED STRUCTURE OF NUCLEAR REACTOR PRESSURE VESSEL AND CONTROL ROD HOUSING

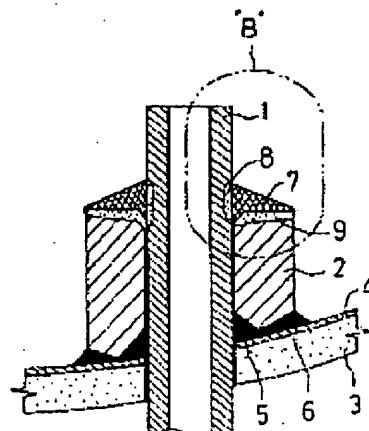
Patent number: JP2107996
Publication date: 1990-04-19
Inventor: ASANO MASAYUKI
Applicant: TOKYO SHIBAURA ELECTRIC CO
Classification:
- international: G21C13/00
- european:
Application number: JP19880259369 19881017
Priority number(s): JP19880259369 19881017

[Report a data error here](#)

Abstract of JP2107996

PURPOSE: To intend an improvement of a reliability for a stress corrosion cracking by pad-welding with a welding metal a whole upper end surface of a stub tube which is provided by welding to an inner surface of a bottom of a nuclear pressure vessel, to weld the tube to a control rod housing.

CONSTITUTION: A stub tube 2 is welded to a nuclear reactor pressure vessel 3 at its inner and outer circumferences with a welding metal 5 and 6. Also, a housing 1 of a control rod drive mechanism is welded to the stub tube 2 with a welding metal 7. This welding metal 7 is pad-welded so that a whole upper surface of the stub tube 2 is covered by the padding. With this process, a thermally affected part at a side of the stub tube 2 can be moved to a part where a tensile stress is the minimum, to lessen a probability of a stress corrosion cracking, and a highly reliable welded structure of the housing 1 and the stub tube 2 can be obtained.



Data supplied from the esp@cenet database - Worldwide